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ABSTRACT OF THE DISCLOSURE

A hot-wire type air flow meter for an internal combustion engine has an exothermic resistor film provided on a thin portion formed on a silicon substrate and a control circuit for controlling a voltage to be applied to the resistor film or a current to be supplied. The resistor film is arranged in a suction pipe of the internal combustion engine and heat is emitted to an air through the resistor film. In the case where a liquid droplet is deposited onto the resistor film, the control circuit controls the applied voltage to a value smaller than a voltage which is applied to the resistor film at the time of measuring a maximum specified measuring range or controls the supply current to a value smaller than a current flowing in the resistor film at the time of measuring the maximum specified measuring range.

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